

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/875,849DATE: 09/15/98  
TIME: 15:05:55

INPUT SET: S28646.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

## (1) General Information:

## (i) APPLICANT:

(A) NAME: LeukoSite, Inc.  
(B) STREET: 215 First Street  
(C) CITY: Cambridge  
(D) STATE/PROVINCE: Massachusetts  
(E) COUNTRY: U.S.A.  
(F) POSTAL CODE/ZIP: 02142  
(G) TELEPHONE: (617) 621-9350  
(I) TELEFAX: (617) 621-9349

## (i) APPLICANT/INVENTOR:

(A) NAME: Michael J. Briskin  
(B) STREET: 28 Harbell Street  
(C) CITY: Lexington  
(D) STATE/PROVINCE: Massachusetts  
(E) COUNTRY: U.S.A.  
(F) POSTAL CODE/ZIP: 02173

## (i) APPLICANT/INVENTOR:

(A) NAME: Douglas J. Ringler  
(B) STREET: 382 Ocean Avenue, #1008  
(C) CITY: Revere  
(D) STATE/PROVINCE: Massachusetts  
(E) COUNTRY: U.S.A.  
(F) POSTAL CODE/ZIP: 02151

## (i) APPLICANT/INVENTOR:

(A) NAME: Dominic Picarella  
(B) STREET: 2 North Bennet Court, #4  
(C) CITY: Boston  
(D) STATE/PROVINCE: Massachusetts  
(E) COUNTRY: U.S.A.  
(F) POSTAL CODE/ZIP: 02113

## (i) APPLICANT/INVENTOR:

(A) NAME: Walter Newman  
(B) STREET: 3 Durham Street, #3  
(C) CITY: Boston  
(D) STATE/PROVINCE: Massachusetts  
(E) COUNTRY: U.S.A.  
(F) POSTAL CODE/ZIP: 02115

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/875,849DATE: 09/15/98  
TIME: 15:05:56

INPUT SET: S28646.raw

47  
48 (ii) TITLE OF INVENTION: Mucosal Vascular Addressins and Uses  
49       Thereof  
50  
51 (iii) NUMBER OF SEQUENCES: 13  
52  
53 (iv) CORRESPONDENCE ADDRESS:  
54       (A) ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
55       (B) STREET: Two Militia Drive  
56       (C) CITY: Lexington  
57       (D) STATE: Massachusetts  
58       (E) COUNTRY: U.S.A.  
59       (F) ZIP: 02173-4799  
60  
61  
62  
63  
64  
65 (v) COMPUTER READABLE FORM:  
66       (A) MEDIUM TYPE: Floppy disk  
67       (B) COMPUTER: IBM PC compatible  
68       (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
69       (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
70  
71 (vi) CURRENT APPLICATION DATA:  
72       (A) APPLICATION NUMBER:  
73       (B) FILING DATE:  
74       (C) CLASSIFICATION:  
75  
76 (vii) PRIOR APPLICATION DATA:  
77       (A) APPLICATION NUMBER: US 08/523,004  
78       (B) FILING DATE: 01-SEP-1995  
79  
80 (vii) PRIOR APPLICATION DATA:  
81       (A) APPLICATION NUMBER: US 08/386,857  
82       (B) FILING DATE: 10-FEB-1995  
83  
84 (viii) ATTORNEY/AGENT INFORMATION:  
85       (A) NAME: Brook, David E.  
86       (B) REGISTRATION NUMBER: 22,592  
87       (C) REFERENCE/DOCKET NUMBER: LKS94-04A2 PCT  
88  
89 (ix) TELECOMMUNICATION INFORMATION:  
90       (A) TELEPHONE: 617-861-6240  
91       (B) TELEFAX: 617-861-9540  
92  
93  
94  
95 (2) INFORMATION FOR SEQ ID NO:1:  
96  
97 (i) SEQUENCE CHARACTERISTICS:  
98       (A) LENGTH: 1624 base pairs  
99       (B) TYPE: nucleic acid

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/875,849

DATE: 09/15/98  
TIME: 15:05:57

INPUT SET: S28646.raw

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100         (C) STRANDEDNESS: double
101         (D) TOPOLOGY: linear
102
103     (ii) MOLECULE TYPE: cDNA
104
105
106     (ix) FEATURE:
107         (A) NAME/KEY: CDS
108         (B) LOCATION: 1..1218
109
110
111
112     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
113
114     ATG GAT TTC GGA CTG GCC CTC CTG CTG GCG GGG CTT CTG GGG CTC CTC      48
115     Met Asp Phe Gly Leu Ala Leu Leu Leu Ala Gly Leu Leu Gly Leu Leu
116         1             5             10             15
117
118     CTC GGC CAG TCC CTC CAG GTG AAG CCC CTG CAG GTG GAG CCC CCG GAG      96
119     Leu Gly Gln Ser Leu Gln Val Lys Pro Leu Gln Val Glu Pro Pro Glu
120             20             25             30
121
122     CCG GTG GTG GCC GTG GCC TTG GGC GCC TCG CGC CAG CTC ACC TGC CGC      144
123     Pro Val Val Ala Val Ala Leu Gly Ala Ser Arg Gln Leu Thr Cys Arg
124             35             40             45
125
126     CTG GCC TGC GCG GAC CGC GGG GCC TCG GTG CAG TGG CGG GGC CTG GAC      192
127     Leu Ala Cys Ala Asp Arg Gly Ala Ser Val Gln Trp Arg Gly Leu Asp
128             50             55             60
129
130     ACC AGC CTG GGC GCG GTG CAG TCG GAC ACG GGC CGC AGC GTC CTC ACC      240
131     Thr Ser Leu Gly Ala Val Gln Ser Asp Thr Gly Arg Ser Val Leu Thr
132             65             70             75             80
133
134     GTG CGC AAC GCC TCG CTG TCG GCG GCC GGG ACC CGC GTG TGC GTG GGC      288
135     Val Arg Asn Ala Ser Leu Ser Ala Ala Gly Thr Arg Val Cys Val Gly
136             85             90             95
137
138     TCC TGC GGG GGC CGC ACC TTC CAG CAC ACC GTG CAG CTC CTT GTG TAC      336
139     Ser Cys Gly Gly Arg Thr Phe Gln His Thr Val Gln Leu Leu Val Tyr
140             100             105             110
141
142     GCC TTC CCG GAC CAG CTG ACC GTC TCC CCA GCA GCC CTG GTG CCT GGT      384
143     Ala Phe Pro Asp Gln Leu Thr Val Ser Pro Ala Ala Leu Val Pro Gly
144             115             120             125
145
146     GAC CCG GAG GTG GCC TGT ACG GCC CAC AAA GTC ACG CCC GTG GAC CCC      432
147     Asp Pro Glu Val Ala Cys Thr Ala His Lys Val Thr Pro Val Asp Pro
148             130             135             140
149
150     AAC GCG CTC TCC TTC TCC CTG CTC GTC GGG GGC CAG GAA CTG GAG GGG      480
151     Asn Ala Leu Ser Phe Ser Leu Leu Val Gly Gly Gln Glu Leu Glu Gly
152             145             150             155             160

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**INPUT SET: S28646.raw**

153																		
154	GCG	CAA	GCC	CTG	GGC	CCG	GAG	GTG	CAG	GAG	GAG	GAG	GAG	GAG	CCC	CAG		528
155	Ala	Gln	Ala	Leu	Gly	Pro	Glu	Val	Gln	Glu	Glu	Glu	Glu	Glu	Pro	Gln		
156					165					170					175			
157																		
158	GGG	GAC	GAG	GAC	GTG	CTG	TTC	AGG	GTG	ACA	GAG	CGC	TGG	CGG	CTG	CCG		576
159	Gly	Asp	Glu	Asp	Val	Leu	Phe	Arg	Val	Thr	Glu	Arg	Trp	Arg	Leu	Pro		
160				180					185					190				
161																		
162	CCC	CTG	GGG	ACC	CCT	GTC	CCG	CCC	GCC	CTC	TAC	TGC	CAG	GCC	ACG	ATG		624
163	Pro	Leu	Gly	Thr	Pro	Val	Pro	Pro	Ala	Leu	Tyr	Cys	Gln	Ala	Thr	Met		
164			195					200					205					
165																		
166	AGG	CTG	CCT	GGC	TTG	GAG	CTC	AGC	CAC	CGC	CAG	GCC	ATC	CCC	GTC	CTG		672
167	Arg	Leu	Pro	Gly	Leu	Glu	Leu	Ser	His	Arg	Gln	Ala	Ile	Pro	Val	Leu		
168		210					215				220							
169																		
170	CAC	AGC	CCG	ACC	TCC	CCG	GAG	CCT	CCC	GAC	ACC	ACC	TCC	CCG	GAG	CCT		720
171	His	Ser	Pro	Thr	Ser	Pro	Glu	Pro	Pro	Asp	Thr	Thr	Ser	Pro	Glu	Pro		
172	225					230				235						240		
173																		
174	CCC	AAC	ACC	ACC	TCC	CCG	GAG	TCT	CCC	GAC	ACC	ACC	TCC	CCG	GAG	TCT		768
175	Pro	Asn	Thr	Thr	Ser	Pro	Glu	Ser	Pro	Asp	Thr	Thr	Ser	Pro	Glu	Ser		
176					245				250						255			
177																		
178	CCC	GAC	ACC	ACC	TCC	CAG	GAG	CCT	CCC	GAC	ACC	ACC	TCC	CAG	GAG	CCT		816
179	Pro	Asp	Thr	Thr	Ser	Gln	Glu	Pro	Pro	Asp	Thr	Thr	Ser	Gln	Glu	Pro		
180				260					265					270				
181																		
182	CCC	GAC	ACC	ACC	TCC	CAG	GAG	CCT	CCC	GAC	ACC	ACC	TCC	CCG	GAG	CCT		864
183	Pro	Asp	Thr	Thr	Ser	Gln	Glu	Pro	Pro	Asp	Thr	Thr	Ser	Pro	Glu	Pro		
184			275					280					285					
185																		
186	CCC	GAC	AAG	ACC	TCC	CCG	GAG	CCC	GCC	CCC	CAG	CAG	GGC	TCC	ACA	CAC		912
187	Pro	Asp	Lys	Thr	Ser	Pro	Glu	Pro	Ala	Pro	Gln	Gln	Gly	Ser	Thr	His		
188		290					295				300							
189																		
190	ACC	CCC	AGG	AGC	CCA	GGC	TCC	ACC	AGG	ACT	CGC	CGC	CCT	GAG	ATC	TCC		960
191	Thr	Pro	Arg	Ser	Pro	Gly	Ser	Thr	Arg	Thr								

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/875,849

DATE: 09/15/98  
TIME: 15:05:59

INPUT SET: S28646.raw

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206 TGC CGG CAC CTG GCT GAG GAC GAC ACC CAC CCA CCA GCT TCT CTG AGG      1152
207 Cys Arg His Leu Ala Glu Asp Asp Thr His Pro Pro Ala Ser Leu Arg
208      370                      375                      380
209
210 CTT CTG CCC CAG GTG TCG GCC TGG GCT GGG TTA AGG GGG ACC GGC CAG      1200
211 Leu Leu Pro Gln Val Ser Ala Trp Ala Gly Leu Arg Gly Thr Gly Gln
212      385                      390                      395                      400
213
214 GTC GGG ATC AGC CCC TCC TGAGTGGCCA GCCTTTCCCC CTGTGAAAAGC      1248
215 Val Gly Ile Ser Pro Ser
216                      405
217
218 AAAATAGCTT GGACCCCTTC AAGTTGAGAA CTGGTCAGGG CAAACCTGCC TCCCATTCTA      1308
219
220 CTCAAAGTCA TCCCTCTGCT CACAGAGATG GATGCATGTT CTGATTGCCT CTTTGGAGAA      1368
221
222 GCTCATCAGA AACTCAAAAG AAGGCCACTG TTTGTCTCAC CTACCCATGA CCTGAAGCCC      1428
223
224 CTCCCTGAGT GGTCCCCACC TTTCTGGACG GAACCACGTA CTTTTTACAT ACATTGATTC      1488
225
226 ATGTCTCACG TCTCCCTAAA AATGCGTAAG ACCAAGCTGT GCCCTGACCA CCCTGGGCCC      1548
227
228 CTGTCGTCAG GACCTCCTGA GGCTTTGGCA AATAAACCTC CTAAAAATGAT AAAAAAAAAA      1608
229
230 AAAAAAAAAA AAAAAA      1624
231
232
233
234 (2) INFORMATION FOR SEQ ID NO:2:
235
236 (i) SEQUENCE CHARACTERISTICS:
237 (A) LENGTH: 406 amino acids
238 (B) TYPE: amino acid
239 (D) TOPOLOGY: linear
240
241 (ii) MOLECULE TYPE: protein
242
243
244
245 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
246
247 Met Asp Phe Gly Leu Ala Leu Leu Leu Ala Gly Leu Leu Gly Leu Leu
248      1                      5                      10                      15
249
250 Leu Gly Gln Ser Leu Gln Val Lys Pro Leu Gln Val Glu Pro Pro Glu
251                      20                      25                      30
252
253 Pro Val Val Ala Val Ala Leu Gly Ala Ser Arg Gln Leu Thr Cys Arg
254                      35                      40                      45
255
256 Leu Ala Cys Ala Asp Arg Gly Ala Ser Val Gln Trp Arg Gly Leu Asp
257                      50                      55                      60
258

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SEQUENCE VERIFICATION REPORT  
PATENT APPLICATION US/08/875,849DATE: 09/15/98  
TIME: 15:06:01

INPUT SET: S28646.raw

Line	Error	Original Text
5	Mandatory Value Not Present	(i) APPLICANT:
6	Unknown or Misplaced Identifier	(A) NAME: LeukoSite, Inc.
7	Unknown or Misplaced Identifier	(B) STREET: 215 First Street
8	Unknown or Misplaced Identifier	(C) CITY: Cambridge
9	Unknown or Misplaced Identifier	(D) STATE/PROVINCE: Massachusetts
10	Unknown or Misplaced Identifier	(E) COUNTRY: U.S.A.
11	Unknown or Misplaced Identifier	(F) POSTAL CODE/ZIP: 02142
12	Unknown or Misplaced Identifier	(G) TELEPHONE: (617) 621-9350
13	Unknown or Misplaced Identifier	(I) TELEFAX: (617) 621-9349
15	Mandatory Value Not Present	(i) APPLICANT/INVENTOR:
16	Unknown or Misplaced Identifier	(A) NAME: Michael J. Briskin
17	Unknown or Misplaced Identifier	(B) STREET: 28 Harbell Street
18	Unknown or Misplaced Identifier	(C) CITY: Lexington
19	Unknown or Misplaced Identifier	(D) STATE/PROVINCE: Massachusetts
20	Unknown or Misplaced Identifier	(E) COUNTRY: U.S.A.
21	Unknown or Misplaced Identifier	(F) POSTAL CODE/ZIP: 02173
23	Mandatory Value Not Present	(i) APPLICANT/INVENTOR:
24	Unknown or Misplaced Identifier	(A) NAME: Douglas J. Ringler
25	Unknown or Misplaced Identifier	(B) STREET: 382 Ocean Avenue, #1008
26	Unknown or Misplaced Identifier	(C) CITY: Revere
27	Unknown or Misplaced Identifier	(D) STATE/PROVINCE: Massachusetts
28	Unknown or Misplaced Identifier	(E) COUNTRY: U.S.A.
29	Unknown or Misplaced Identifier	(F) POSTAL CODE/ZIP: 02151
31	Mandatory Value Not Present	(i) APPLICANT/INVENTOR:
32	Unknown or Misplaced Identifier	(A) NAME: Dominic Picarella
33	Unknown or Misplaced Identifier	(B) STREET: 2 North Bennet Court, #4
34	Unknown or Misplaced Identifier	(C) CITY: Boston
35	Unknown or Misplaced Identifier	(D) STATE/PROVINCE: Massachusetts
36	Unknown or Misplaced Identifier	(E) COUNTRY: U.S.A.
37	Unknown or Misplaced Identifier	(F) POSTAL CODE/ZIP: 02113
39	Mandatory Value Not Present	(i) APPLICANT/INVENTOR:
40	Unknown or Misplaced Identifier	(A) NAME: Walter Newman
41	Unknown or Misplaced Identifier	(B) STREET: 3 Durham Street, #3
42	Unknown or Misplaced Identifier	(C) CITY: Boston
43	Unknown or Misplaced Identifier	(D) STATE/PROVINCE: Massachusetts
44	Unknown or Misplaced Identifier	(E) COUNTRY: U.S.A.
45	Unknown or Misplaced Identifier	(F) POSTAL CODE/ZIP: 02115